

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. **(Currently Amended)** A self-cleaning kitchen exhaust system, comprising: a first filter in a path for an air flow, the first filter having a first mesh size to capture contaminants; a first spray outlet for providing a first fine spray into the air flow before and directed to a front surface of the first filter to enable the first fine spray to be drawn along the path onto the front a first surface of the first filter; a second spray outlet for providing a second coarse spray into said air flow path and directed to a rear surface of said first filter for providing a second cleaning spray onto the rear surface of said first filter; and a second filter in the path for the air flow downstream from the first filter, the second filter having a second filter mesh size for capturing contaminants; wherein the first spray has droplets sized to combine with droplets of a contaminant to form combined droplets in the air flow before the first filter to assist the combined droplets being captured by the first filter; and a plate mounted below the first filter for collection of the first spray such that the self-cleaning kitchen exhaust system is operative when cooking is taking place below the plate.

2-3. **(Cancelled)**

4. **(Currently Amended)** A self-cleaning kitchen exhaust system as claimed in claim [[2]]1, wherein the first filter and the second filter are in an exhaust hood.

5. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 4, wherein:

the exhaust hood includes a top, a front wall, a rear wall and side walls extending between the rear wall and the front wall; and

a baffle depending from the top and intermediate the front wall and the rear wall for disrupting the air flow.

6. **(Previously Presented)** A self cleaning kitchen exhaust system as claimed in claim 5, wherein both the first and second filters are mountable to one of the front wall and the rear wall, and the baffle extends between the front wall and the rear wall.

7. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 5, wherein the plate extends forwardly from one of the front wall and the rear wall beyond the baffle.

8. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 7, wherein the plate has an upwardly directed projection extending between the baffle and the one of the front wall and the rear wall.

9. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 8, wherein the projection extends upwardly to a height at least as high as the mounting of the first filter to the baffle.

10. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 7, wherein the spray outlet is mounted on the plate.

11. **(Cancelled)**

12. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 1, wherein the first filter is inclined with respect to the path for the air flow, and substantially covers the path for the air flow.

13. **(Cancelled)**

14. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 12, wherein the first filter is at an angle of inclination to the path substantially the same as that of the second filter.

15. **(Cancelled)**

16. **(Currently Amended)** A self-cleaning kitchen exhaust system as claimed in claim [[15]]1, wherein the cleaning liquid comprises a cleaning solution that includes water and a degreaser in a ratio in the range 1:10 to 1:50.

17. **(Currently Amended)** A self-cleaning kitchen exhaust system including a first filter having a first mesh size for filtering contaminants from an air flow along an air flow path, a first spray outlet for providing a fine, first spray of a cleaning solution into the air flow before and directed to a front surface of the first filter to enable the fine, first spray to be drawn into the first filter by the air flow, wherein the fine, first spray has droplets sized to combine with droplets of the contaminant to form combined droplets in the air flow before the first filter to assist the combined droplets being captured by the first filter, a second spray outlet for providing a coarse second spray of cleaning solution into the air flow and directed to a rear surface of the first filter, and a plate mounted below the first filter for collection of the fine, first spray such that the exhaust system is operable when cooking is taking place below the first plate.

18. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 17, wherein the plate is mounted below the first filter and includes an upwardly directed projection at an end of the plate.

19. **(Currently Amended)** A method of removing at least one contaminant in a kitchen exhaust system, comprising:

providing a first fine spray into an air flow ~~before~~ and directed to a front surface ~~of a first filter, the first filter being mounted in a path of the air flow to enable the first~~ spray to be drawn along the path onto the first filter having a first mesh size; the first spray being able to combine with droplets of the contaminant in the air flow before the first filter; the first spray being able to coat the first filter to assist the first filter in capturing at least one droplet of the contaminant in the air;

providing a second coarse spray of cleaning solution into the air flow and directed to a rear surface of the first filter, and a plate mounted below the first filter for collection of the first spray such that the self-cleaning kitchen exhaust system is operable when cooking is taking place below the first plate.

20. **(Currently Amended)** A method as claimed in claim 19, wherein ~~the first spray is drawn along the path under the influence of the air flow, and the air flow~~ causes at least a part of the first spray to pass through the first filter.

21. **(Cancelled)**

22. **(Currently Amended)** A method as claimed in claim 19, wherein the second spray also cleans a second filter in said airflow path ~~after~~ downstream from said first filter, the second filter having a second mesh size.

23. **(Currently Amended)** A method as claimed in claim 19, wherein ~~there~~ the second spray is ~~for cleaning a rear surface of the first filter, and for being drawn~~

under the influence of the airflow to a second filter in said airflow path after said first filter, the second filter having a second mesh size.

24. **(Currently Amended)** A method as claim 19, wherein the first filter is has a relatively coarse first mesh size, the second filter is a relatively fine second mesh size, ~~the first spray is a relatively fine spray and the second spray is a relatively coarse spray.~~

25. **(Cancelled)**

26. **(Currently Amended)** A method as claimed in claim ~~[[19]]~~22, wherein the second spray substantially coats the second filter to assist the second filter in capturing at least one contaminant.

27-39 **(Cancelled)**

40. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 1, wherein the plate forms a boundary for the air flow.

41. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 1, wherein the plate mounted below the first filter collects combined droplets.

42. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 17, wherein the plate forms a boundary for the air flow.

43. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 17, wherein the plate mounted below the first filter collects combined droplets.

44. **(Previously Presented)** A method as claimed in claim 19, wherein the plate forms a boundary for the air flow.

45. **(Previously Presented)** A method as claimed in claim 19, wherein the plate mounted below the first filter collects combined droplets.

46. **(Currently Amended)** A self-cleaning kitchen exhaust system, comprising: a first filter in a path for an air flow, the first filter having a first mesh size; a first spray outlet for providing a first fine spray into the air flow ~~before~~and directed to a front surface of the first filter to enable the first spray to be drawn toward the first filter; a second spray outlet located in said air flow and directed to a rear surface of said first filter for providing a second coarse cleaning spray onto the rear surface of said first filter; and a second filter in the path for the air flow downstream from the first filter, the second filter having a second mesh size; wherein the first spray has droplets sized to combine with a contaminant to form combined droplets in the air flow before the first filter, such that the combined droplets are captured by the first filter; a plate mounted

below the first filter for collection of the first spray such that the self-cleaning kitchen exhaust system is operative when cooking is taking place below the plate; and a drain for draining fluid collected on the plate.

47. (Cancelled)

48. (Previously Presented) A self-cleaning kitchen exhaust system as claimed in claim 46, wherein the first filter is inclined with respect to the path of the air flow.

49. (Previously Presented) A self-cleaning kitchen exhaust system as claimed in claim 46, wherein the first spray is selected from a group consisting of water, and a mixture of water and a cleaning solution.

50. (Previously Presented) A self-cleaning kitchen exhaust system as claimed in claim 46, wherein the plate forms a boundary for the air flow.

51. (Currently Amended) A method of removing at least one contaminant in a kitchen exhaust system, comprising:

providing a first fine spray into an air flow ~~before~~and directed to a front surface
of a first filter, the first filter having a first mesh size mounting the first filter along a path of the air flow such that the first spray is drawn along the path of the air flow toward the

first filter while combining with a contaminant to form combined droplets in the air flow before the first filter;

providing a second coarse spray into said air flow path and directed to a rear surface of said first filter;

mounting a plate below the first filter for collection of the first spray such that the self-cleaning kitchen exhaust system is operable when cooking is taking place below the first plate; and draining fluid collected on the plate.

52-54. (Cancelled)

55. **(Currently Amended)** A self-cleaning kitchen exhaust system, comprising: a first filter in a path for an air flow and inclined with respect to the path for the air flow, the first filter having a first mesh size; a first spray outlet for providing a first fine spray into the air flow before and directed to a front surface of the first filter to enable the first spray to be drawn toward the first filter; a second spray outlet ~~located in~~ for providing a second coarse spray into said air flow path ~~after and directed to a rear surface of~~ for providing a second cleaning spray onto ~~[[a]]the rear surface of said first filter;~~ and a second filter in the path for the air flow downstream from the first filter, the second filter having a second mesh size; wherein the first spray has droplets sized to combine with a contaminant to form combined droplets in the air flow before the first filter, such that the combined droplets are captured by the first filter; and a plate mounted below the first filter for collection of the first spray such that

the self-cleaning kitchen exhaust system is operative when cooking is taking place below the plate.

56. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 55, wherein the first spray is selected from a group consisting of water, and a mixture of water and a cleaning solution.

57. **(Previously Presented)** A self-cleaning kitchen exhaust system as claimed in claim 1, wherein the first spray is selected from a group consisting of water, and a mixture of water and a cleaning solution.